

TEXAS WATER DEVELOPMENT BOARD GROUNDWATER DATABASE (TWDB)

Page # 1 out of 3
State ID: 49-13-944

FORM 9-1642
(DEC 68)

Well No. 49-13-944

WELL SCHEDULE

U. S. DEPT. OF THE INTERIOR

GEOLOGICAL SURVEY

WATER RESOURCES DIVISION

CLARK ST & FRANKLIN GENERAL

MASTER CARD

Record by DEWHITE Source of data USBR-OSS Date 7/2/84 Map 1"=1MI & ELPD 4 1/2"

State TX County EL PASO City JL

Latitude: 31 42 07 N Longitude: 106 24 47 W Sequential number: 1

Local well number: 49-13-944 Other number: AGE 300

Local use: PILOT WELL FOR GEOPHYSICAL LOG Owner or name: US BR REG Address: EL PASO TX

Ownership: County, Fed Gov't, City, Corp of Co, Private, State Agency, Water Dist

Use of water: (A) Air cond, Bottling, Comm, De-water, Power, Fire, Dom, Irr, Ind, P S, Rec, Stock, Inst, (U) PILOT WELL FOR GEOPHYSICAL LOG

Use of well: (A) Anode, Drain, Seismic, Heat Res, Obs, Oil-gas, Recharge, Test, Unused, Withdraw, Waste, Destroyed

DATA AVAILABLE: Well data Freq. W/L meas.: Field aquifer char.

Hyd. lab. data:

Qual. water data: type:

Freq. sampling: Pumpage inventory: period:

Aperture cards:

Log data: NO INFORMATION - GENERAL

WELL-DESCRIPTION CARD

SAME AS ON MASTER CARD Depth well: 99 ft

Depth casing: None Casing type: S/PUC Dia: 2 1/2 in

Finish: (C) concrete, (G) gravel w. horiz. screen, (H) gravel w. horiz. gallery, (F) open perfor. screen, (S) slotted pipe, (T) slotted pipe, (W) well, (X) other

Method drilled: (A) air bored, (B) cable, (C) dug, (D) hyd jetted, (E) air percuss, (F) reverse, (G) trenching, (H) driven, (I) drive wash, (J) other

Date drilled: 11/2/84 Pump intake setting: 98 ft

Driller: OWAER

Lift: (A) air, (B) bucket, (C) cent. jet, (D) multiple, (E) multiple, (F) none, (G) piston, (H) rot, (I) submerg, (J) turb, (K) other

Power: (type) diesel, elec, gas, gasoline, hand, gas, wind, H.P.

Trans. of meter no.

Alt. LSD: 3696.9 Accuracy: ±0.1

Water Level: 3696.9 Accuracy: ±0.1

Date meas: 11/2/84 Yield: 1.0 gpm Method determined: Direct

Drawdown: 0 ft Accuracy: ±0.1 Pumping period: 1 hrs

QUALITY OF WATER DATA: Iron ppm 0 Sulfate ppm 0 Chloride ppm 0 Hard. ppm 0

Sp. Conduct 0 K x 10⁶ Temp. 0 °F Date sampled 11/2/84

Taste, color, etc.

49-13-944

TEXAS WATER DEVELOPMENT BOARD GROUNDWATER DATABASE (TWDB)

Page # 2 out of 3
State ID: 49-13-944

Well No. JL-49-13-44
300

Latitude-longitude 31.46.07 N 106.24.47 W

HYDROGEOLOGIC CARD

SAME AS ON MASTER CARD Physiographic Province: BIRM & RG Section: MEXICAN

MICHIGAN Basin: RIO GRANDE Subbasin:

Topo of well site: (D) depression, stream channel, dunes, flat, hilltop, sink, swamp, ON NORTH BANK
(E) offshore, pediment, hillside, terrace, undulating, valley flat OF FRANKLIN LAUR.

MAJOR AQUIFER: QUAT. HOLOCENE Q1P RIO GRANDE ALLUV R17

Lithology: Origin: Aquifer Thickness: ft

Length of well open to: ft Depth to top of: ft

HINDER AQUIFER: aquifer, formation, group

Lithology: Origin: Aquifer Thickness: ft

Length of well open to: ft Depth to top of: ft

Intervals Screened: None

Depth to consolidated rock: ft Source of data:

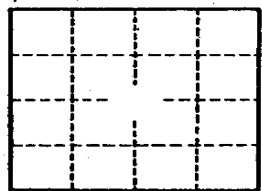
Depth to basement: ft Source of data:

Surficial material: Infiltration Characteristics:

Coefficient Trans: Coefficient Storage:

Coefficient Perm: Spm/ft²; Spec cap: Spm/ft; Number of geologic cards:

CSG: 4 1/2" O-G' W/GRP & LOCK
2 1/2" PVC SCH. 80
0-99' BLUNT
SEE LOG SKETCH FOR 3C
WELLS

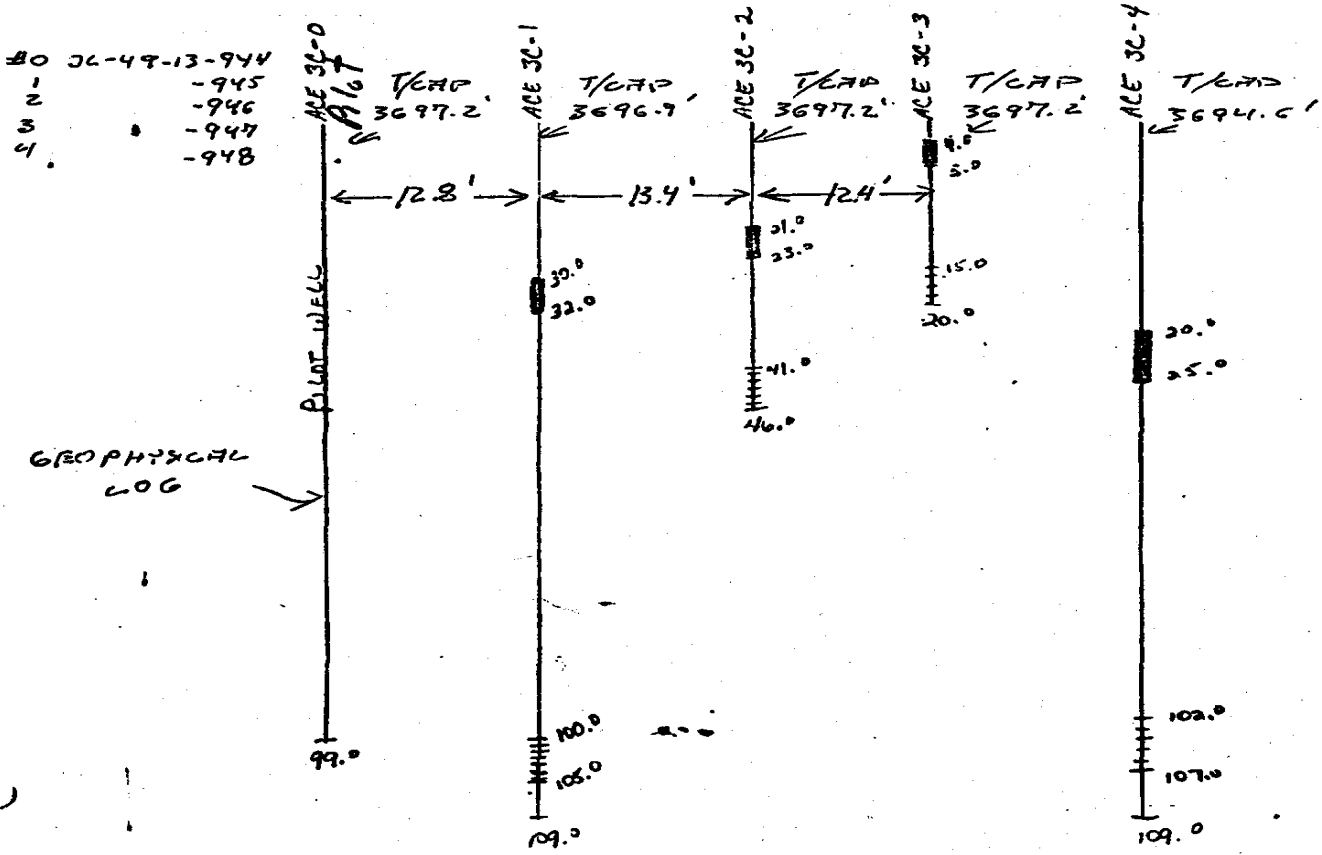
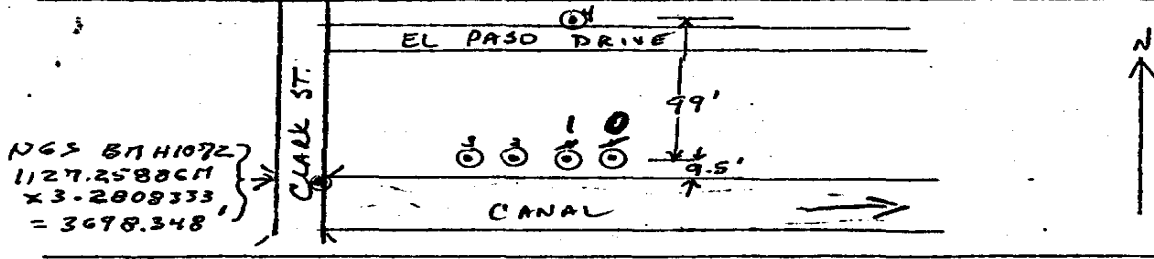


Well No.

TEXAS WATER DEVELOPMENT BOARD GROUNDWATER DATABASE (TWDB)

Page # 3 out of 3
State ID: 49-13-944

CHKD	C. J. WILLIAMS	DATE	4/15/84	FEATURE	RIO GRANDE
DETAILS			AMERICAN CANAL		PIEZOMETERS
SITE 3C			NEAR CLARK ST		



GEOPHYSICAL LOG

USER 3C

5' SCREEN BENTONITE SEAL
4" X 6" STEEL WELL COVERS PLACED OVER 3/4" DIA SCH. 40 PVC & CEMENTED TO SURFACE & CAPS LOCKED.

49-13 944

TEXAS WATER DEVELOPMENT BOARD GROUNDWATER DATABASE (TWDB)

MAP ID# 17 Distance from Property: 0.84 mi. E

STATE ID: 49-13-945
OWNER'S NAME: U.S. POSTAL SERVICE
DATE DRILLED: 08001988
DEPTH DRILLED: 130.00000'
WATER USAGE: UNUSED
LONGITUDE: -106.41333000
LATITUDE: 31.768050000
SOURCE: TWDB



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TEXAS WATER DEVELOPMENT BOARD GROUNDWATER DATABASE (TWDB)

Page # 1 out of 3
State ID: 49-13-945

FORM 9-1642B
(DEC 68)

Well No. 49-13-945-1

WELL SCHEDULE
GEOLOGICAL SURVEY

WATER RESOURCES DIVISION

U. S. DEPT. OF THE INTERIOR

CLARK & FRANKLIN CANAL

MASTER CARD

Record by REINHART Source of data USER OBS Date 7/2/84 Map "LINE & CROSS" 7 1/2"

State TX County ELL PASO Sequential number 2

Latitude: 31 46 07 N Longitude: 106 24 47 W

Local well number: 49-13-945 Other number: HW 30-1

Local use: U.S. BUREAU OF RECLAMATION Owner or name: US BUREAU OF RECL

Ownership: County, Fed Gov't, City, Corp or Co, Private, State Agency, Water Dist

Use of well: PIEZOMETR

Use of well: (O)

DATA AVAILABLE: Well data Freq. W/L meas.: Field aquifer char.

Hyd. lab. data:

Qual. water data: type:

Freq. sampling: Pumpage inventory: no. period:

Aperture cards:

Log data:

WELL-DESCRIPTION CARD

SAME AS ON MASTER CARD Depth well: 109 ft. Casing depth: 109 ft. Casing type: 5" PVC Diam: 4 1/2 in

Finish: porous gravel w. horiz. open perf. (S) screen, sd. pt., shored, open

Method: (D) drilled: air bored, cable, dug, hyd. jetted, air percussion, rotary, other

Date drilled: MAR 84 Pump intake setting: 9.84 ft.

Driller: CRANFORD

Lift (type): (S) air, bucket, cent. jet, multiple, none, piston, rot, submerg, turb, other

Power (type): (N) diesel, elec, gas, gasoline, hand, gas, wind, H.P.

Descrip. HP: TOP OF 4 1/2" G.S. 0.0 ft above 150'. Alt. HP

Alt. LSD: 3696.9 Accuracy: LEVELLED C.C.B.R.

Water level: 60.5 ft above MP; Fr. below MP: 60 Accuracy: MEAS.

Date meas: 4/84 Yield: 6.84 gpm

Drawdown: 60.5 ft Accuracy: 60 hrs

QUALITY OF WATER DATA: Iron ppm Sulfate ppm Chloride ppm Hard. ppm

Sp. Conduct K x 10⁶ Temp. °F

Taste, color, etc.

49-13-945

TEXAS WATER DEVELOPMENT BOARD GROUNDWATER DATABASE (TWDB)

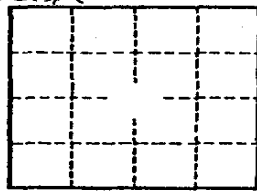
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State ID: 49-13-945

Well No. 49-13-945
301
Latitude-Longitude 31.46.07 N 106.24.47 W

HYDROGEOLOGIC CARD

SAME AS ON MASTER CARD Physiographic Province: BREWER & B.G. Section: MEXICAN
 Highway: 23 Drainage Basin: RIO GRANDE Subbasin: 57A
 Top of well site: (D) depression, stream channel, dunes, flat, hilltop, sink, swamp, ON NORTH BANK
 (E) offshore, pediment, hillside, terrace, undulating, valley flat (U) OFFSHORE CANAL
 MAJOR AQUIFER: QUIET HOLOGNE QR RIO GRANDE FLLUV RF
 Lithology: _____ Origin: _____ Aquifer Thickness: _____ ft
 Length of well open to: 5 ft Depth to top of: _____ ft
 MINOR AQUIFER: _____ aquifer, formation, group _____
 Lithology: _____ Origin: _____ Aquifer Thickness: _____ ft
 Length of well open to: _____ ft Depth to top of: _____ ft
 Intervals Screened: 100-105 001 SLOTS
 Depth to consolidated rock: _____ ft Source of data: _____
 Depth to basement: _____ ft Source of data: _____
 Surficial material: _____ Infiltration characteristics: _____
 Coefficient of storage: _____ Coefficient of storage: _____
 Perm: _____ spd/ft; Spec cap: _____ spm/ft; Number of geologic cards: _____

GSR: 4 1/2" O-G' STEEL W/GTP & LOCK
2 1/2" PVC SCH 80
0-105' SCR 100-105'
BANTONITE SATEL 30-32'



GPO 869-201

49-13-945

TEXAS WATER DEVELOPMENT BOARD GROUNDWATER DATABASE (TWDB)

49-13-945
0.000
0.000

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
Water Resources Branch

CSC SCOTTED 100-105' MEAS. DEPTH 109'

Water Level Measurements
Field No. _____
Office No. _____
Owner _____
Tenant _____
Location _____
Measuring Point _____
Height of Meas. Point above land-surface datum _____

Water Level Measurements
Field No. _____
Office No. _____
Owner U.S. G.A. of DICK
Tenant _____
Location CALHOUN ST & CANAL
Measuring Point TOP OF 4 1/2" CSC 3096.9'
Height of Meas. Point above land-surface datum 0.0

Date	Depth to H.M.P. above meas. point L.S.D.	Depth to Meas. water below L.S.D.	Run water below by pumping L.S.D.
6/1/84		60.5	BR
6/8		60.7	✓
6/15		60.8	✓
6/22		60.8	✓
6/28		60.9	✓

Date	Depth to H.M.P. above meas. point L.S.D.	Depth to Meas. water below L.S.D.	Remarks (pumping, H.P. changed, etc.)
6/1/84	0.0	60.5	BR 3096.7
6/6/84	0.0	60.05	3036.35
6/12/84	0.0	60.48	MP 3.4' RBV FLOW IN FRACTION
6/20/84	0.0	60.50	3036.40'
7/1/84	0.0	60.55	MP 1.1' RBV FLOW 3036.35'

49-13-945

TEXAS WATER DEVELOPMENT BOARD GROUNDWATER DATABASE (TWDB)

MAP ID# 18 Distance from Property: 0.84 mi. E

STATE ID: 49-13-949
OWNER'S NAME: TEXAS HIGHWAY
DATE DRILLED: 09181984
DEPTH DRILLED: 620.00000'
WATER USAGE: IRRIGATION
LONGITUDE: -106.41306000
LATITUDE: 31.769170000
SOURCE: TWDB



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TEXAS WATER DEVELOPMENT BOARD GROUNDWATER DATABASE (TWDB)

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State ID: 49-13-949

FORM 3-1942B
(DEC 68)

Well No. 49-13-949

WELL SCHEDULE

U. S. DEPT. OF THE INT.

GEOLOGICAL SURVEY

WAT. SOURCES DIVISION

MASTER CARD

Record by DEWHITE Source of data DRILL-OWNER Date 9/18/84 Map EL PASO 7 1/2

State TEX County 49 City/Town EL PASO J.L.

Latitude: 31 46 09 N Longitude: 1 06 24 45 W Sequential number:

Local well number: 49-13-949 Other number:

Local use: Owner or name: TEX HWY DEPT Address: 212 NORTH CLARK ST EL PASO TX

Ownership: County, Fed Gov't, City, Corp or Co, Private, State Agency, Water Dist. (S)

Use of water: Air cond, Bottling, Comm, Dewater, Power, Fire, Dom, Irr, Med, Ind, P S, Rec, Stock, Instic, Unused, Repressure, Recharge, Desal-P S, Desal-other, Other (M) (P) (R) (A) (B) (C) (D) (E) (F) (H) (I) (N) (O) (Q) (S) (T) (U) (V) (W) (X) (Y) (Z) (AA) (AB) (AC) (AD) (AE) (AF) (AG) (AH) (AI) (AJ) (AK) (AL) (AM) (AN) (AO) (AP) (AQ) (AR) (AS) (AT) (AU) (AV) (AW) (AX) (AY) (AZ) (BA) (BB) (BC) (BD) (BE) (BF) (BG) (BH) (BI) (BJ) (BK) (BL) (BM) (BN) (BO) (BP) (BQ) (BR) (BS) (BT) (BU) (BV) (BW) (BX) (BY) (BZ) (CA) (CB) (CC) (CD) (CE) (CF) (CG) (CH) (CI) (CJ) (CK) (CL) (CM) (CN) (CO) (CP) (CQ) (CR) (CS) (CT) (CU) (CV) (CW) (CX) (CY) (CZ) (DA) (DB) (DC) (DD) (DE) (DF) (DG) (DH) (DI) (DJ) (DK) (DL) (DM) (DN) (DO) (DP) (DQ) (DR) (DS) (DT) (DU) (DV) (DW) (DX) (DY) (DZ) (EA) (EB) (EC) (ED) (EE) (EF) (EG) (EH) (EI) (EJ) (EK) (EL) (EM) (EN) (EO) (EP) (EQ) (ER) (ES) (ET) (EU) (EV) (EW) (EX) (EY) (EZ) (FA) (FB) (FC) (FD) (FE) (FF) (FG) (FH) (FI) (FJ) (FK) (FL) (FM) (FN) (FO) (FP) (FQ) (FR) (FS) (FT) (FU) (FV) (FW) (FX) (FY) (FZ) (GA) (GB) (GC) (GD) (GE) (GF) (GG) (GH) (GI) (GJ) (GK) (GL) (GM) (GN) (GO) (GP) (GQ) (GR) (GS) (GT) (GU) (GV) (GW) (GX) (GY) (GZ) (HA) (HB) (HC) (HD) (HE) (HF) (HG) (HH) (HI) (HJ) (HK) (HL) (HM) (HN) (HO) (HP) (HQ) (HR) (HS) (HT) (HU) (HV) (HW) (HX) (HY) (HZ) (IA) (IB) (IC) (ID) (IE) (IF) (IG) (IH) (II) (IJ) (IK) (IL) (IM) (IN) (IO) (IP) (IQ) (IR) (IS) (IT) (IU) (IV) (IW) (IX) (IY) (IZ) (JA) (JB) (JC) (JD) (JE) (JF) (JG) (JH) (JI) (JJ) (JK) (JL) (JM) (JN) (JO) (JP) (JQ) (JR) (JS) (JT) (JU) (JV) (JW) (JX) (JY) (JZ) (KA) (KB) (KC) (KD) (KE) (KF) (KG) (KH) (KI) (KJ) (KK) (KL) (KM) (KN) (KO) (KP) (KQ) (KR) (KS) (KT) (KU) (KV) (KW) (KX) (KY) (KZ) (LA) (LB) (LC) (LD) (LE) (LF) (LG) (LH) (LI) (LJ) (LK) (LL) (LM) (LN) (LO) (LP) (LQ) (LR) (LS) (LT) (LU) (LV) (LW) (LX) (LY) (LZ) (MA) (MB) (MC) (MD) (ME) (MF) (MG) (MH) (MI) (MJ) (MK) (ML) (MM) (MN) (MO) (MP) (MQ) (MR) (MS) (MT) (MU) (MV) (MW) (MX) (MY) (MZ) (NA) (NB) (NC) (ND) (NE) (NF) (NG) (NH) (NI) (NJ) (NK) (NL) (NM) (NO) (NP) (NQ) (NR) (NS) (NT) (NU) (NV) (NW) (NX) (NY) (NZ) (OA) (OB) (OC) (OD) (OE) (OF) (OG) (OH) (OI) (OJ) (OK) (OL) (OM) (ON) (OO) (OP) (OQ) (OR) (OS) (OT) (OU) (OV) (OW) (OX) (OY) (OZ) (PA) (PB) (PC) (PD) (PE) (PF) (PG) (PH) (PI) (PJ) (PK) (PL) (PM) (PN) (PO) (PP) (PQ) (PR) (PS) (PT) (PU) (PV) (PW) (PX) (PY) (PZ) (QA) (QB) (QC) (QD) (QE) (QF) (QG) (QH) (QI) (QJ) (QK) (QL) (QM) (QN) (QO) (QP) (QQ) (QR) (QS) (QT) (QU) (QV) (QW) (QX) (QY) (QZ) (RA) (RB) (RC) (RD) (RE) (RF) (RG) (RH) (RI) (RJ) (RK) (RL) (RM) (RN) (RO) (RP) (RQ) (RR) (RS) (RT) (RU) (RV) (RW) (RX) (RY) (RZ) (SA) (SB) (SC) (SD) (SE) (SF) (SG) (SH) (SI) (SJ) (SK) (SL) (SM) (SN) (SO) (SP) (SQ) (SR) (SS) (ST) (SU) (SV) (SW) (SX) (SY) (SZ) (TA) (TB) (TC) (TD) (TE) (TF) (TG) (TH) (TI) (TJ) (TK) (TL) (TM) (TN) (TO) (TP) (TQ) (TR) (TS) (TT) (TU) (TV) (TW) (TX) (TY) (TZ) (UA) (UB) (UC) (UD) (UE) (UF) (UG) (UH) (UI) (UJ) (UK) (UL) (UM) (UN) (UO) (UP) (UQ) (UR) (US) (UT) (UU) (UV) (UW) (UX) (UY) (UZ) (VA) (VB) (VC) (VD) (VE) (VF) (VG) (VH) (VI) (VJ) (VK) (VL) (VM) (VN) (VO) (VP) (VQ) (VR) (VS) (VT) (VU) (VV) (VW) (VX) (VY) (VZ) (WA) (WB) (WC) (WD) (WE) (WF) (WG) (WH) (WI) (WJ) (WK) (WL) (WM) (WN) (WO) (WP) (WQ) (WR) (WS) (WT) (WU) (WV) (WW) (WX) (WY) (WZ) (XA) (XB) (XC) (XD) (XE) (XF) (XG) (XH) (XI) (XJ) (XK) (XL) (XM) (XN) (XO) (XP) (XQ) (XR) (XS) (XT) (XU) (XV) (XW) (XX) (XY) (XZ) (YA) (YB) (YC) (YD) (YE) (YF) (YG) (YH) (YI) (YJ) (YK) (YL) (YM) (YN) (YO) (YP) (YQ) (YR) (YS) (YT) (YU) (YV) (YW) (YX) (YY) (YZ) (ZA) (ZB) (ZC) (ZD) (ZE) (ZF) (ZG) (ZH) (ZI) (ZJ) (ZK) (ZL) (ZM) (ZN) (ZO) (ZP) (ZQ) (ZR) (ZS) (ZT) (ZU) (ZV) (ZW) (ZX) (ZY) (ZZ)

WELL-DESCRIPTION CARD

SAME AS ON MASTER CARD Depth well: 620 ft. 620 Meas. DRILL accuracy

Depth cased: 460 ft. 460 Casing type: S Dia. 10 1/2 in. 0 6

Finish: porous concrete, gravel w. concrete, (perf.), horis. gallery, open perf., screen, ad. pt., shored, other (C) (D) (E) (F) (G) (H) (I) (J) (K) (L) (M) (N) (O) (P) (Q) (R) (S) (T) (U) (V) (W) (X) (Y) (Z) (AA) (AB) (AC) (AD) (AE) (AF) (AG) (AH) (AI) (AJ) (AK) (AL) (AM) (AN) (AO) (AP) (AQ) (AR) (AS) (AT) (AU) (AV) (AW) (AX) (AY) (AZ) (BA) (BB) (BC) (BD) (BE) (BF) (BG) (BH) (BI) (BJ) (BK) (BL) (BM) (BN) (BO) (BP) (BQ) (BR) (BS) (BT) (BU) (BV) (BW) (BX) (BY) (BZ) (CA) (CB) (CC) (CD) (CE) (CF) (CG) (CH) (CI) (CJ) (CK) (CL) (CM) (CN) (CO) (CP) (CQ) (CR) (CS) (CT) (CU) (CV) (CW) (CX) (CY) (CZ) (DA) (DB) (DC) (DD) (DE) (DF) (DG) (DH) (DI) (DJ) (DK) (DL) (DM) (DN) (DO) (DP) (DQ) (DR) (DS) (DT) (DU) (DV) (DW) (DX) (DY) (DZ) (EA) (EB) (EC) (ED) (EE) (EF) (EG) (EH) (EI) (EJ) (EK) (EL) (EM) (EN) (EO) (EP) (EQ) (ER) (ES) (ET) (EU) (EV) (EW) (EX) (EY) (EZ) (FA) (FB) (FC) (FD) (FE) (FF) (FG) (FH) (FI) (FJ) (FK) (FL) (FM) (FN) (FO) (FP) (FQ) (FR) (FS) (FT) (FU) (FV) (FW) (FX) (FY) (FZ) (GA) (GB) (GC) (GD) (GE) (GF) (GG) (GH) (GI) (GJ) (GK) (GL) (GM) (GN) (GO) (GP) (GQ) (GR) (GS) (GT) (GU) (GV) (GW) (GX) (GY) (GZ) (HA) (HB) (HC) (HD) (HE) (HF) (HG) (HH) (HI) (HJ) (HK) (HL) (HM) (HN) (HO) (HP) (HQ) (HR) (HS) (HT) (HU) (HV) (HW) (HX) (HY) (HZ) (IA) (IB) (IC) (ID) (IE) (IF) (IG) (IH) (II) (IJ) (IK) (IL) (IM) (IN) (IO) (IP) (IQ) (IR) (IS) (IT) (IU) (IV) (IW) (IX) (IY) (IZ) (JA) (JB) (JC) (JD) (JE) (JF) (JG) (JH) (JI) (JJ) (JK) (JL) (JM) (JN) (JO) (JP) (JQ) (JR) (JS) (JT) (JU) (JV) (JW) (JX) (JY) (JZ) (KA) (KB) (KC) (KD) (KE) (KF) (KG) (KH) (KI) (KJ) (KL) (KM) (KN) (KO) (KP) (KQ) (KR) (KS) (KT) (KU) (KV) (KW) (KX) (KY) (KZ) (LA) (LB) (LC) (LD) (LE) (LF) (LG) (LH) (LI) (LJ) (LK) (LM) (LN) (LO) (LP) (LQ) (LR) (LS) (LT) (LU) (LV) (LW) (LX) (LY) (LZ) (MA) (MB) (MC) (MD) (ME) (MF) (MG) (MH) (MI) (MJ) (MK) (ML) (MM) (MN) (MO) (MP) (MQ) (MR) (MS) (MT) (MU) (MV) (MW) (MX) (MY) (MZ) (NA) (NB) (NC) (ND) (NE) (NF) (NG) (NH) (NI) (NJ) (NK) (NL) (NM) (NO) (NP) (NQ) (NR) (NS) (NT) (NU) (NV) (NW) (NX) (NY) (NZ) (OA) (OB) (OC) (OD) (OE) (OF) (OG) (OH) (OI) (OJ) (OK) (OL) (OM) (ON) (OO) (OP) (OQ) (OR) (OS) (OT) (OU) (OV) (OW) (OX) (OY) (OZ) (PA) (PB) (PC) (PD) (PE) (PF) (PG) (PH) (PI) (PJ) (PK) (PL) (PM) (PN) (PO) (PP) (PQ) (PR) (PS) (PT) (PU) (PV) (PW) (PX) (PY) (PZ) (QA) (QB) (QC) (QD) (QE) (QF) (QG) (QH) (QI) (QJ) (QK) (QL) (QM) (QN) (QO) (QP) (QQ) (QR) (QS) (QT) (QU) (QV) (QW) (QX) (QY) (QZ) (RA) (RB) (RC) (RD) (RE) (RF) (RG) (RH) (RI) (RJ) (RK) (RL) (RM) (RN) (RO) (RP) (RQ) (RR) (RS) (RT) (RU) (RV) (RW) (RX) (RY) (RZ) (SA) (SB) (SC) (SD) (SE) (SF) (SG) (SH) (SI) (SJ) (SK) (SL) (SM) (SN) (SO) (SP) (SQ) (SR) (SS) (ST) (SU) (SV) (SW) (SX) (SY) (SZ) (TA) (TB) (TC) (TD) (TE) (TF) (TG) (TH) (TI) (TJ) (TK) (TL) (TM) (TN) (TO) (TP) (TQ) (TR) (TS) (TU) (TV) (TW) (TX) (TY) (TZ) (UA) (UB) (UC) (UD) (UE) (UF) (UG) (UH) (UI) (UJ) (UK) (UL) (UM) (UN) (UO) (UP) (UQ) (UR) (US) (UT) (UU) (UV) (UW) (UX) (UY) (UZ) (VA) (VB) (VC) (VD) (VE) (VF) (VG) (VH) (VI) (VJ) (VK) (VL) (VM) (VN) (VO) (VP) (VQ) (VR) (VS) (VT) (VU) (VW) (VX) (VY) (VZ) (WA) (WB) (WC) (WD) (WE) (WF) (WG) (WH) (WI) (WJ) (WK) (WL) (WM) (WN) (WO) (WP) (WQ) (WR) (WS) (WT) (WU) (WV) (WW) (WX) (WY) (WZ) (XA) (XB) (XC) (XD) (XE) (XF) (XG) (XH) (XI) (XJ) (XK) (XL) (XM) (XN) (XO) (XP) (XQ) (XR) (XS) (XT) (XU) (XV) (XW) (XX) (XY) (XZ) (YA) (YB) (YC) (YD) (YE) (YF) (YG) (YH) (YI) (YJ) (YK) (YL) (YM) (YN) (YO) (YP) (YQ) (YR) (YS) (YT) (YU) (YV) (YW) (YX) (YY) (YZ) (ZA) (ZB) (ZC) (ZD) (ZE) (ZF) (ZG) (ZH) (ZI) (ZJ) (ZK) (ZL) (ZM) (ZN) (ZO) (ZP) (ZQ) (ZR) (ZS) (ZT) (ZU) (ZV) (ZW) (ZX) (ZY) (ZZ)

Drilled: JULY 1984 Pump intake setting: ft.

Driller: COLLE BALS 9516 GRIBLOCH EL PASO TX

Lift: (type): air, bucket, cont, jet, multiple, multiple, none, piston, rot, submerg, turb, other (S) (T) (U) (V) (W) (X) (Y) (Z) (AA) (AB) (AC) (AD) (AE) (AF) (AG) (AH) (AI) (AJ) (AK) (AL) (AM) (AN) (AO) (AP) (AQ) (AR) (AS) (AT) (AU) (AV) (AW) (AX) (AY) (AZ) (BA) (BB) (BC) (BD) (BE) (BF) (BG) (BH) (BI) (BJ) (BK) (BL) (BM) (BN) (BO) (BP) (BQ) (BR) (BS) (BT) (BU) (BV) (BW) (BX) (BY) (BZ) (CA) (CB) (CC) (CD) (CE) (CF) (CG) (CH) (CI) (CJ) (CK) (CL) (CM) (CN) (CO) (CP) (CQ) (CR) (CS) (CT) (CU) (CV) (CW) (CX) (CY) (CZ) (DA) (DB) (DC) (DD) (DE) (DF) (DG) (DH) (DI) (DJ) (DK) (DL) (DM) (DN) (DO) (DP) (DQ) (DR) (DS) (DT) (DU) (DV) (DW) (DX) (DY) (DZ) (EA) (EB) (EC) (ED) (EE) (EF) (EG) (EH) (EI) (EJ) (EK) (EL) (EM) (EN) (EO) (EP) (EQ) (ER) (ES) (ET) (EU) (EV) (EW) (EX) (EY) (EZ) (FA) (FB) (FC) (FD) (FE) (FF) (FG) (FH) (FI) (FJ) (FK) (FL) (FM) (FN) (FO) (FP) (FQ) (FR) (FS) (FT) (FU) (FV) (FW) (FX) (FY) (FZ) (GA) (GB) (GC) (GD) (GE) (GF) (GG) (GH) (GI) (GJ) (GK)

TEXAS WATER DEVELOPMENT BOARD GROUNDWATER DATABASE (TWDB)

Page # 3 out of 23
State ID: 49-13-949

Send original copy by certified mail to the Texas Department of Water Resources, P. O. Box 13087, Austin, Texas 78711

**State of Texas
WATER WELL REPORT**

For TDWR use only
Well No. 49-13-949
Located on map Yes DLP
Received: _____

1) OWNER Texas Highway Department Address 212 N. Clark Drive El Paso TX 79905
(Name) (Street or RFD) (City) (State) (Zip)

2) LOCATION OF WELL: County El Paso 212 N. Clark Dr. in El Paso
(N.E., S.W., etc.) (Town)

Driller must complete the legal description to the right with distance and direction from two intersecting section or survey lines, or he must locate and identify the well on an official Quarter or Half-Scale Texas County General Highway Map and attach the map to this form.

Legal description: Section No. _____ Block No. _____ Township _____
Abstract No. _____ Survey Name _____
Distance and direction from two intersecting section or survey lines _____
 See attached map.

3) TYPE OF WORK (Check): New Well Deepening Reconditioning Plugging

4) PROPOSED USE (Check): Domestic Industrial Public Supply Irrigation Test Well Other _____

5) DRILLING METHOD (Check): Mud Rotary Air Hammer Driven Bored Air Rotary Cable Tool Jetted Other _____

6) WELL LOG: Date drilled 8/20/84

DIAMETER OF HOLE		Description and color of formation material	Dia. (in.)	New or Used	Steel, Plastic, etc. Perf., Slotted, etc. Screen Mat., if commercial	Setting (ft.)		Cage Casing Setting
From (ft.)	To (ft.)					From	To	
0	6	Top Soil						
6	18	Sand	10	N	Blank Casing	18	450	.280
18	40	Large Gravel	6	N	Blank	620	610	.280
40	49	Red Clay	6	N	Stainless Steel Screen	610	590	.280
49	56	Sand	6	N	Blank	590	560	.280
56	85	Large River Gravel	6	N	Stainless Steel Screen	560	520	.280
85	110	Sand & Gravel	6	N	Blank	520	500	.280
110	128	Sand & Gravel	6	N	Stainless Steel Screen	500	460	.280
128	158	Clay & Gravel	6	N	Blank	460	400	.280
158	161	Clay						
161	180	Sand & Gravel						
180	190	Clay						
190	250	Sand & Gravel						
250	280	Clay, Sand & Fine Gravel						
280	340	Clay						
340	350	Sand & Gravel						
350	390	Red Clay						
390	410	Sand						
410	455	Red Clay						
455	470	Sand						
470	475	Clay						
475	520	Sand						

7) BOREHOLE COMPLETION: Open Hole Straight Wall Undrilled Gravel Packed Other _____
If Gravel Packed give interval from 400 ft. to 620 ft.

8) CASING, BLANK PIPE, AND WELL SCREEN DATA:
Cemented from 0 ft. to 450 ft.
Method used Pressure Cementing
Cemented by Cole Drilling Company (Company or Individual)

9) WATER LEVEL: Static level 125 ft. below land surface Date 8/20/84
Artesian flow _____ gpm. Date _____

10) PACKERS: Type _____ Depth _____

11) TYPE PUMP: Turbin Jet Submersible Cylinder Other _____
Depth to pump bowls, cylinder, jet, etc., 357 ft.

12) WELL TESTS: Type Test: Pump Bailor Jetted Estimated
Yield: 215 gpm with 30 ft. drawdown after 6 hrs.

13) WATER QUALITY: Did you knowingly penetrate any strata which contained undesirable water? Yes No
If yes, submit "REPORT OF UNDESIRABLE WATER"
Type of water? _____ Depth of strata? _____
Was a chemical analysis made? Yes No
See Attached Sheet

I hereby certify that this well was drilled by me (or under my supervision) and that each and all of the statements herein are true to the best of my knowledge and belief.

NAME James Cole Water Well Drillers Registration No. 285
(Type or Print)

ADDRESS 9516 Gairloch El Paso TX 79925
(Street or RFD) (City) (State) (Zip)

(Signed) James Cole Cole Drilling Company
(Water Well Driller) (Company Name)

Please attach electric log, chemical analysis, and other pertinent information, if available.

*Additional instructions on reverse side.
TOWN-0302

RECEIVED
SEP-7-1984
DEPT. OF WATER RESOURCES

JL-49-13-949
49-13-949

LOCATION OF WELL:

The sketch showing the well location must be as accurate as possible, showing landmarks, in sufficient detail so that the well may be plotted on a General Highway Map of the county in which the well is located.

Reference points from which distances are measured and directions given should be of a permanent nature (e.g. highway intersections, center of towns, river and creek bridges, railroad crossings). The distance and direction from the nearest town should always be indicated.

When giving a legal description include a sketch showing location of the well within the described area, e.g. survey abstract.

Information furnished in Section 2 of the TDWR-0392 is very important. Unless the well can be accurately located on a map the value of the other data contained in the Report is greatly reduced.

Well Log Continued:

520	530	Clay
530	550	Sand
550	560	Clay
560	580	Sand
580	590	Clay
590	618	Sand
618	624	Clay

49-13-949

TEXAS WATER DEVELOPMENT BOARD GROUNDWATER DATABASE (TWDB)

Page # 7 out of 23
State ID: 49-13-949

JL-49-13-949
5/12/88
TSTW99 DEPT.

EL PASO COUNTY

JL-49-13-949
5/12/88

RECORD NO.: 98802412
SITE ID: 314609106244501
STATION NAME: JL-49-13-949
BEGIN DATE: 03-12-1988 AT 1515
GEOLOGIC UNIT:
STATUS: H SOURCE: 9 HYD. CONDITION: 9 TYPE: 9 HYD. EVENT: 9
MEDIUM: 6
SAMPLE COST: \$64.65
SCHEDULES USED: 1022
NO. PARAMETERS: 21
PROCESSING STATUS: R

TRANSACT NO.: 8
LAB ID NO.: 1460092 PROJECT: 464800203
STATE: 48
COUNTY: 141
END DATE: - - AT
DATA TYPES:
REMARKS TO LAB:
REMARKS FROM LAB:
WDB

CODE	PARAMETER NAME	UNITS	VALUE	R	M	S
00010	WATER TEMPERATURE	(DEGREES)	27.0	I	3	
00027	COLLECTING AGENCY	(CODE NUMBER)	1028	I	4	
UPDATE 00028	ANALYZING AGENCY	(CODE NUMBER)	80020	H	5	
00095	SPECIFIC CONDUCTANCE	US/CM @ 25C	975	I	3	
00400	PH	(STANDARD UNITS)	8.90	I	3	
UPDATE 00403	PH LABORATORY	(UNITS)	8.00	H	3	
00410	ALKALINITY,MM-FEY,F	(MG/L AS CACO3)	146	H	3	
UPDATE 00631	NO2 + NO3 DISSOLVED	(MG/L AS N)	1.00	I	3	
COMPUTED 00900	HARDNESS TOTAL	(MG/L AS CACO3)	140	H	3	
COMPUTED 00902	NONCARBONATE HARD. F	(MG/L AS CACO3)	0	H	3	
UPDATE 00915	CALCIUM DISSOLVED	(MG/L AS CA)	36	H	2	
UPDATE 00925	MAGNESIUM DISSOLVED	(MG/L AS MG)	13	H	2	
UPDATE 00930	SODIUM DISSOLVED	(MG/L AS NA)	140	H	2	
COMPUTED 00931	SODIUM ADSORPTION R.	(RATIO)	5	H	2	
COMPUTED 00932	SODIUM PERCENT	(PERCENT)	67	H	2	
UPDATE 00935	POTASSIUM DISSOLVED	(MG/L AS K)	7.9	H	2	
UPDATE 00940	CHLORIDE DISSOLVED	(MG/L AS CL)	180	H	2	
UPDATE 00945	SULFATE DISSOLVED	(MG/L AS SO4)	51	H	2	
UPDATE 00950	FLUORIDE DISSOLVED	(MG/L AS F)	0.90	H	2	
UPDATE 00955	SILICA DISSOLVED	(MG/L AS SIO2)	30	H	2	
UPDATE 01020	BORON DISSOLVED	(UG/L AS B)	110	H	2	
COMPUTED 70301	DISSOLVED SOLIDS SUM	MG/L	546	H	2	
72002	DEPTH-TOP-WATER ZONE	FT	460	I	3	
72003	DEPTH-BOT-WATER ZONE	FT	610	I	3	
72008	DEPTH OF WELL IN FT.	FT	620.00	I	5	
UPDATE 90095	SPECIFIC CONDUCTANCE	MICROSIEMENS/CM	959	H	3	

NOT PUNCHED



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TEXAS WATER DEVELOPMENT BOARD GROUNDWATER DATABASE (TWDB)

Page # 9 out of 23
State ID: 49-13-949

49-13-949 9/18/84 100 100 S.E. FURD
152.45 137.42 NOT CONNECTED
152.45 137.42

Send original copy by certified mail to the Texas Department of Water Resources, P. O. Box 13087, Austin, Texas 78711

State of Texas
WATER WELL REPORT

For TOWR use only
Well No. _____
Located on map _____
Received: _____

1) OWNER Texas Highway Department (Name) Address 212 N. Clark Drive El Paso TX 79905
(Street or RFD) (City) (State) (Zip)

2) LOCATION OF WELL:
County El Paso 212 N. Clark Dr. in El Paso
(N.E., S.W., etc.) (Town)

Driller must complete the legal description to the right with distance and direction from two intersecting section or survey lines, or he must locate and identify the well on an official Quarter- or Half-Section Texas County General Highway Map and attach the map to this form.

3) TYPE OF WORK (Check):
 New Well Deepening
 Reconditioning Plugging

4) PROPOSED USE (Check):
 Domestic Industrial Public Supply
 Irrigation Test Well Other

5) DRILLING METHOD (Check):
 Mud Rotary Air Hammer Driven Bored
 Air Rotary Cable Tool Jetted Other

6) WELL LOG:
Date drilled 8/20/84

DIAMETER OF HOLE		Description and color of formation material	Dia. (in.)	New or Used	Steel, Plastic, etc. Perf., Slotted, etc. Screen Mat., if commercial	Setting		Cage Casing
From (ft.)	To (ft.)					From	To	
0	6	Top Soil						
6	18	Sand	10	N	Blank Casing	18	450	
18	40	Large Gravel	6	N	Blank	620	610	.280
40	49	Red Clay	6	N	Stainless Steel Screen	610	590	.280
49	56	Sand	6	N	Blank	590	520	.280
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190	250	Sand & Gravel						
250	280	Clay, Sand & Fine Gravel						
280	340	Clay						
340	350	Sand & Gravel						
350	390	Red Clay						
390	410	Sand						
410	455	Red Clay						
455	470	Sand						
470	475	Clay						
475	520	Sand						

7) BOREHOLE COMPLETION:
 Open Hole Straight Well Underreamed
 Gravel Packed Other
If Gravel Packed give interval... From 400 ft. to 620 ft.

8) CASING, BLANK PIPE, AND WELL SCREEN DATA:
Cemented from 0 ft. to 450 ft.
Method used Pressure Cementing
Cemented by Cole Drilling Company
(Company or Individual)

9) WATER LEVEL:
Static level 125 ft. below land surface Date 8/20/84
Artisan flow _____ gpm. Date _____

10) PACKERS: Type _____ Depth _____

11) TYPE PUMP:
 Turbine Jet Submersible Cylinder
 Other
Depth to pump bows, cylinder, jet, etc., 357 ft.

12) WELL TESTS:
Type Test: Pump Bailor Jetted Estimated
Yield: 215 gpm with 30 ft. drawdown after 6 hrs.

13) WATER QUALITY:
Did you knowingly penetrate any strata which contained undesirable water? Yes No
If yes, submit "REPORT OF UNDESIRABLE WATER"
Type of water? _____ Depth of strata _____
Was a chemical analysis made? Yes No
See Attached Sheet

I hereby certify that this well was drilled by me (or under my supervision) and that each and all of the statements herein are true to the best of my knowledge and belief.

NAME James Cole (Type or Print) Water Well Drillers Registration No. 285
ADDRESS 9516 Cairloch El Paso TX 79925
(Street or RFD) (City) (State) (Zip)
(Signed) James Cole (Water Well Driller) Cole Drilling Company
(Company Name)

Please attach electric log, chemical analysis, and other pertinent information, if available.

* Additional instructions on reverse side.
TOWR-0397

JL-49-13-949

2) LOCATION OF WELL:

The sketch showing the well location must be as accurate as possible, showing landmarks, in sufficient detail so that the well can be located on a General Highway Map of the county in which the well is located.

Reference points from which distances are measured and directions given should be of a permanent nature (e.g. highway intersections, center of towns, river and creek bridges, railroad crossings). The distance and direction from the nearest town should always be indicated.

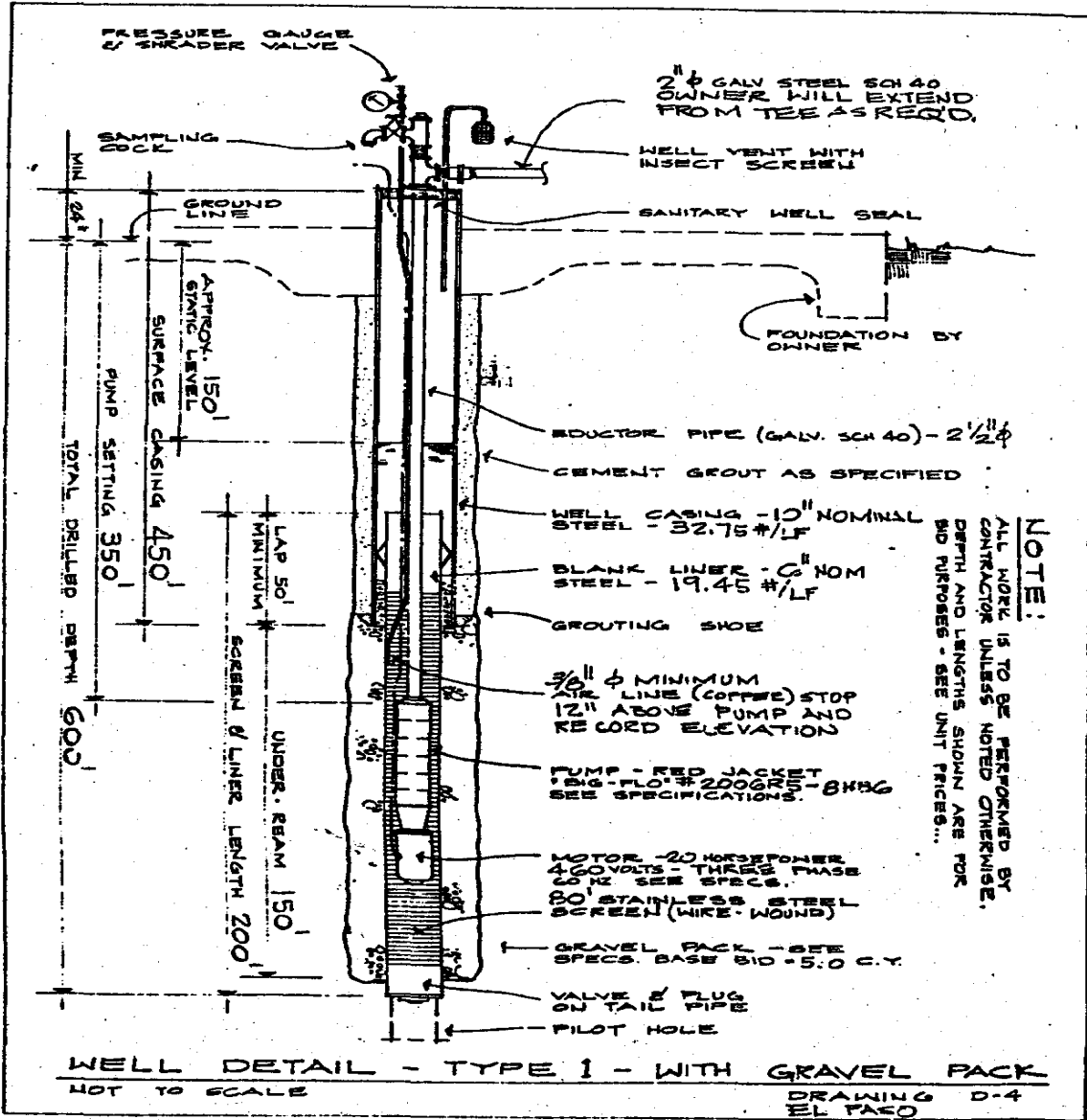
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Well Log Continued:

520	530	Clay
530	550	Sand
550	560	Clay
560	580	Sand
580	590	Clay
590	618	Sand
618	624	Clay

JL - 6-13-94



EL PASO WATER UTILITIES

E-LOG

WELL NO. JL-49-13-949 DATE July 20, 1984 G.L. ELEV. 3705
 LOCATION 212 North Clark DRILLER Cole Drilling
 OWNER Texas Highway Department MEAS. REF. Ground Level
 TD-LOGGER 618 TD-DRILLER 620 OPERATOR RS

